



Educational objectives (max. 6 items) C1. Deepening knowledge about first aid C2. Preparing the student to perform the cardiopulmonary resuscitation independently. C3. Understanding the causes, mechanisms and management of immediate life-threatening conditions in dental patients. C4. Knowledge of indications and methods for anesthesia. Knowledge of indications and methods of sedation during dental procedures.			
Education result for course in relation to verification methods of the intended education result and the type of class:			
Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>
E.W4	the principles for dealing with victims suffering from multiple organ injuries	Oral response/test	L, CC, CSC
E.W5	the principles of organisation of rescue operations in disasters and accidents, the phases of rescue operations and the scope of provision of aid to the victims; E.W6. the neurological effects of chronic drug use	Oral response/test	L, CC, CSC
E. W17	the causes and mechanisms of circulatory and respiratory arrest and the principles of resuscitation and post-resuscitation management	Oral response/test	L, CC, CSC
E.W18	life-threatening situations	Oral response/test	L, CC, CSC
E. W 20	the cases where the patient should be referred to a hospital	Oral response/test	L, CSC
E. U8	recognise life-threatening risks	Oral response/test	CC, CSC
E. U9	describe and recognise symptoms of shock and acute circulatory failure	Oral response/test	CC, CSC
E. U10	recognise symptoms of brain injury and cerebrovascular diseases, dementia and disorders of consciousness	Oral response/test	CC, CSC
* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning			
Student's amount of work (balance of ECTS points):			
Student's workload (class participation, activity, preparation, etc.)		Student Workload	
1. Number of hours of direct contact:		12	
2. Number of hours of distance learning:		15	
3. Number of hours of student's own work:		10	
4. Number of hours of directed self-study			
Total student's workload		37	
ECTS points for course		1	
Content of classes			
Lectures			
1. Cardiac arrest. Current European Guidelines-adults and pediatric.			



2. Shock –definition, recognition, treatment. Hypovolemia.
3. Head injury. Unconsciousness –diagnosis and prehospital procedures.
4. The risk dental practice.
5. Anesthesia in maxillofacial surgery.
6. Local anaesthetics.
7. Chronic pain in the facial area.

Practical classes (12 hours=8hours in the Simulation Center+4hours in the ICU)

1. Safety anesthesia standards with particular emphasis on outpatient anesthesia. Evaluation of the clinical condition of the patient before surgery, interview, subject examination, premedication orders.
2. Treatment of high-risk patients in the dentist's office. Specific problems: endocarditis - prophylaxis, management of patients taking anticoagulants.
3. General principles of regional anesthesia. Characteristics of local anesthetic agents. Local anesthetics toxicity. Complications following regional anesthesia –clinical simulation scenarios.
4. Anesthesia in maxillofacial and dental surgery- clinical simulation scenarios.
5. Unconsciousness –diagnosis and prehospital procedures. Shock –definition, recognition, treatment- clinical simulation scenarios.
6. Cardiac arrest. Current European Guidelines-adults and pediatric - clinical simulation scenarios.

Basic literature

1. Current ERC Guidelines for Adult Basic Life Support
2. Current ERC Guidelines for Pediatric Basic Life Support
3. Miller's Anesthesia. Vol 1-2 .Philadelphia 2005, VI-th Edition. Elsevier

Additional literature and other materials (no more than 3 items)

1. Textbook of Critical Care Fink MP., Abraham E., Vincent JL., Kochanek PM
Philadelphia 2005, V-th Edition Elsevier

Preliminary conditions: Completion of subjects from earlier years of study (Disaster and emergency medicine (year 2), Internal diseases (year 4))

Conditions to receive credit for the course:

The condition for obtaining credit for the course is a positive result of the final test (covering the scope of seminars and exercises) and attendance at all classes in accordance with the regulations of studies. Each absence must be made up, including rector days and dean's hours - the way and form of doing the classes after prior arrangement with a teaching adjunct. Completion of classes - single-choice test. Assessment is made in direct contact with an academic teacher or using electronic means of communication.

	Criteria for courses ending with a credit ³
Credit	Positive result (60%) of the final test – single- choice test

Unit realizing the course:	Chair and Clinic of Anesthesiology and Intensive Therapy
Unit address:	Borowska 213 Street
Telephone:	71 733 23 10
E-Mail:	kai@umed.wroc.pl

Person responsible for the course:	Waldemar Goździk MD, Ph.D
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Telephone:	71 733 23 10			
E-Mail:	waldemar.goździk@umed.wroc.pl			
List of persons conducting specific classes:				
Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Magdalena Kośmider - Żurawska	MD	Medicine	MD	L, CSC
Waldemar Goździk,	MD Ph.D, prof	Medicine	MD	L, CSC
Marek Wełna	Ph.D	Medicine	MD	L, CSC
Tomasz Skalec	Ph.D.	Medicine	MD	L, CSC
Małgorzata Grotowska	MD	Medicine	MD	L, CSC
Barbara Barteczko-Grajek	Ph.D	Medicine	MD	L, CSC
Jakub Śmiechowicz	Ph.D	Medicine	MD	L, CSC
Stanisław Zieliński	Ph.D	Medicine	MD	L, CSC
Marzena Zielińska	Ph.D	Medicine	MD	L, CSC
Bogusław Lechowicz-Głogowska	Ph.D	Medicine	MD	L, CSC

Date of Syllabus development
18.06.2021

Syllabus developed by
Barbara Barteczko-Grajek MD, Ph.D.

Dean's signature
Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
DZIEKAN
prof. dr hab. Marcin Mikulewicz

Signature of Head(s) of teaching unit(s)
Uniwersytet Medyczny we Wrocławiu
KATEDRA I KLINIKA ANESTEZJOLOGII
I IMPLANTOLOGII
kierownik
dr hab. n. med. Waldemar Goździk, prof. nadzw.